

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
EXPANSIVE WATERSTOP

C&T:JFS

1 of 2

C&T:APPR:DEB:TES:05-17-06

a. Description. This specification covers requirements for and installation of expansive waterstop to be used for cast-in-place watertight seal at construction joints in Portland cement concrete structure applications as specified on the plans. The Standard Specifications for Construction shall apply except as modified herein.

b. Materials. Expansive bentonite/butyl rubber-based waterstop or expansive butyl rubber waterstop will be one of the following products:

Volclay Waterstop – RX101T

Greenstreak Swellstop

Hydro-flex Waterstop

The waterstop materials shall not be prehydrated by being in contact with water at any time prior to concrete placement. Waterstop materials that are damaged, deformed, or exhibit volumetric expansion due to moisture shall not be used.

c. Construction. The waterstop shall be installed at locations as shown on the plans. The minimum concrete cover from the edge of the waterstop to the exposed face of finished concrete shall not be less than 4 inches.

Surface Preparation - All surfaces to receive waterstop shall be clean and dry. Curing compound, oils, grease, and other debris shall be removed prior to application of adhesives or primers. Surface imperfections, excluding tining, shall be removed prior to application of adhesives or primers.

The expansive waterstop systems will be installed in accordance with the manufacturer's installation procedures/guidelines. Provide the installation procedures/guidelines to the Engineer prior to installation.

The concrete shall be placed and consolidated so as to prevent damage or dislocation of the waterstop from the substrate concrete surface.

d. Measurement and Payment. The completed work as described will be paid for at the contract unit price for the following contract item (pay item):

Contract Item (Pay Item)	Pay Unit
Expansive Waterstop.....	Foot

Payment for **Expansive Waterstop** includes all labor, equipment, and materials required to prepare the substrate concrete surface and install the waterstop according to this specification.

Measurement of **Expansive Waterstop** is based on the actual length of installed waterstop material, with no additional compensation for surplus materials. Payment for the adhesive and/or primer is included in the pay item for **Expansive Waterstop**, with no additional compensation allowed.